ACCESS TO COCHLEAR IMPLANTATION

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Colorado Data from 2005

- 71% of children with severe hearing loss had a cochlear implant by 7 years of age
- 86% of the children with profound hearing loss had a cochlear implant by 7 years of age
- Today, most Colorado children with severe-profound and profound hearing loss receive a cochlear implant between 12 to 15 months of age.
National NECAP data: Deaf or hard of hearing parents of deaf or hard of hearing children

- 31% of deaf parents had children with either hearing aids or cochlear implants
  - 7% had children with cochlear implants
  - 24% had children with hearing aids

- 69% of deaf parents had children with neither hearing aids or cochlear implants
National NECAP data: deaf or hard of hearing children with hearing parents

- Of 492 children with amplification data, 99 children had cochlear implants

- Of the 99 children with cochlear implants, 66 had audiological data in the data base.
• 30.3% (N=30) had a profound hearing loss
• 18.2% (N=18) had a severe-profound hearing loss
• 13.1% (N=13) had a severe hearing loss
• 4% had a moderate-severe hearing loss
• 1% had a mild hearing loss

• All of the children had bilateral loss, No ANSD, data includes both children in English and Spanish speaking homes, and children with or without additional disabilities
Audiological data on 344 children - includes children with additional disabilities

- 10% - profound HL (N=51)
- 7% - severe-profound hearing loss (N=35)
- 7.9% severe hearing loss (N=39)
- 8.9% - moderate-severe hearing loss (N=44)
- 16% moderate hearing loss (N=79)
- 16.3% mild hearing loss (N=80)
- 3.3% high frequency hearing loss (N=16)
Percent of children with CIs: NECAP data - includes children with additional disabilities

• Profound HL: 30/51 children had CIs (59%)
• Severe-Profound HL: 18/35 had CIs (51.4%)
• Severe HL: 13/39 had CIs (33.3%)
Conclusions

- About 40% of children with profound hearing loss and severe to profound hearing loss are candidates by degree of hearing loss and have not received a cochlear implant.
- About 70% of children with severe hearing loss do not have cochlear implants.
- Some of these children may not be candidates because of additional disabilities.